

CITY OF MOUNTAIN VIEW
POTABLE WATER SYSTEM AND LAKE SUPPLY
SAMPLING ANALYSIS AND REPORTING
SPECIFICATIONS
BID NO R050774

1. GENERAL PROVISIONS

1.1 Introduction

The City of Mountain View is requesting bids from qualified, state-certified water testing laboratories to perform water quality analysis of groundwater wells and surface waters within the City's supply system. The purpose of this testing is to monitor the water quality of Mountain View's water supply to meet State of California Department of Health Services Title 22 regulations.

1.2 Location and Description of Area

Mountain View is located in the heart of Silicon Valley, ten miles north of San Jose and 34 miles south of San Francisco. The City is bordered by the cities of Palo Alto, Los Altos, and Sunnyvale. Mountain View's residential population is 75,000, with a daytime population growth to over 100,000.

The City of Mountain View receives its water primarily from the San Francisco Water Department's Hetch Hetchy System and the Santa Clara Valley Water District. The City also has seven groundwater wells used for additional supply during peak demand. The water system also consists of two underground storage tanks and two pumping stations. The City's water distribution system consists of approximately 165 miles of water pipelines and associated appurtenances.

1.3 Work Required

The laboratory shall provide the sample containers, lab testing and analysis, chain of custody reports and any other materials necessary to complete all water analysis. Sample containers must be of correct volume and labeled for correct testing methods. Tests required are outlined in the attachment. The City reserves the right to add or delete tests as appropriate.

2. SPECIFIC PROVISIONS

2.1 Sampling and Reporting Schedule

The laboratory must be within a 50-mile radius of the City of Mountain View. The City will routinely collect all samples in accordance with State of California standard operating procedures for sample collections. The City may handle delivery of samples, or the laboratory may be asked to pick up samples. The laboratory must be available to receive samples 24 hours a day, seven days a week. The laboratory will also provide a list of standard turnaround times for each sample.

2.2 Lots may be awarded separately.

2.3 Laboratory Reports

The laboratory shall provide reports of all water analysis to the City of Mountain View and note any problems or discrepancies in the data or data collection methods. These reports will be in the current, acceptable, State-mandated format. All results will be submitted on official letterhead of the laboratory or sub-laboratory conducting the testing, or on State-approved forms.

In the event a sample or samples exceeds the maximum control limit (MCL) or is positive, the laboratory is to notify the City within two hours of discovery. Retesting of the sample or samples will be conducted within 24 hours of discovery. Any retesting required due to testing errors on the part of the laboratory, as well as the cost of disposal of all samples and sample containers will be at the expense of the laboratory.

Before contract is awarded and work begins, the laboratory shall submit to the City the following sampling parameters and limitations:

1. Copy of State laboratory certification;
2. List of approved fields of testing and analyses to accompany laboratory certification;
3. List of all sub-laboratories utilized for testing purposes;
4. Copy of valid Certificate of Insurance;
5. Detailed list of costs associated with sample testing done by laboratory;
6. Ability for State electronic data transfer (EDT).

2.4 Pricing and Billing

Unless specifically quoted separately, unit pricing herein shall be full compensation for all services required in this agreement, including, but not limited to, chain of custody and quality assurances, testing and analysis, lab personnel and supplies, licenses and certification, reports, insurance, customer service, and billing.

Invoices shall be submitted to the City on a monthly basis and must include itemized descriptions and unit pricing for all work performed during the billing cycle. Copies of pick-up and delivery receipts and State Reporting must accompany invoices.

Quantities listed below are estimates of the City's annual requirements and are listed for bid evaluation purposes only. The City makes no guarantee to purchase any specific quantity or item. Actual usage shall determine billing.

2.5 Correspondence

All laboratory results, reports, concerns or questions are to be directed to:

Dorothy DeOcampo
Water Quality Technician
City of Mountain View
Public Services Division
231 North Whisman Road
Mountain View, CA 94039

Analyses of Ground Water Wells and Surface Waters Performed on a Yearly Basis *

Lot 1: Samples performed on weekly basis throughout the year

Qty.	Unit	Description	Unit Price	Ext. Price
260	Each	General Physicals, as required by CDHS and/or EPA; 5 per week		
1300	Each	Bacteriologicals; 25 per week		
260	Each	Heterotropic Plate Count; 5 per week		
Samples performed bi-weekly throughout the year				
Qty.	Unit	Description	Unit Price	Ext. Price
208	Each	Water Quality Parameters (WQP), pH and Total Phosphate as required by CDHS		
Samples performed monthly throughout the year				
Qty.	Unit	Description	Unit Price	Ext. Price
12	Each	Fluoride		
		Lot 1 Net Total		

Lot 2: Samples performed quarterly throughout the year

Qty.	Unit	Description	Unit Price	Ext. Price
32	Each	Total Trihalomethanes, as required by CDHS; 8 per quarter per year		
32	Each	Haloacetic Acids-5, as required by CDHS; 8 per quarter per year		
28	Each	Nitrate, as required by CDHS; 7 per quarter per year		
		Lot 2 Net Total		

Lot 3: Radiologicals (due 2005) 4 quarters

Qty.	Unit	Description	Unit Price	Ext. Price
7	Each	Gross Alpha, Uranium, Radium-226, Radium-228 as required by CDHS and EPA		
		Lot 3 Net Total		

Lot 4: Samples performed once every 3 years, due 2007

Qty.	Unit	Description	Unit Price	Ext. Price
7	Each	Inorganic Chemicals as required by CDHS		
7	Each	Volatile Organic Chemicals as required by CDHS		
7	Each	Synthetic Organic Chemicals as required by CDHS; 2 quarters		
7	Each	Nitrite		
7	Each	Cyanide		
40	Each	Lead (tap)		
40	Each	Copper (tap)		
7	Each	General Minerals, as required by CDHS and/or EPA		
		Lot 4 Net Total		

Lot 5: Water analysis of the Shoreline Sailing Lake, Ponds and Creeks

All analysis tests and collection methods to conform to current EPA-approved analysis methods. Analysis report to be submitted to the City within 15 work days after receipt of sample. All prices include free sample bottles and pick-up and disposal fees.

Qty.	Unit	Description	Unit Price	Ext. Price
48	Each	Turbidity; 4 sites on a monthly basis		
48	Each	pH; 4 sites on a monthly basis		
36	Each	Chlorophyll 'a'; 3 sites on a monthly basis		
24	Each	DO; 2 sites on a monthly basis		
24	Each	Percent Oxygen Saturation; 2 sites on a monthly basis		
12	Each	Total Coliform; 1 site on a monthly basis		
12	Each	Fecal Coliform; 1 site on a monthly basis		
12	Each	Fecal Streptococcus; 1 site on a monthly basis		
24	Each	Temperature; 2 sites on a monthly basis		
24	Each	Salinity; 2 sites on a monthly basis		
48	Each	Standard Observations; 4 sites on a monthly basis		
36	Each	Secchi; 3 sites on a monthly basis		
12	Each	Specific Conductance (umho/cm) EPA method 120.1; 1 site on a monthly basis		
12	Each	pH, EPA method 150.1; 1 site on a monthly basis		
12	Each	Temperature (degrees C), EPA method 170.1; 1 site on a monthly basis		
12	Each	Total Coliform (mpn/100ml), EPA method 909A; 1 site on a monthly basis		
12	Each	Dissolved Oxygen (mg/l), EPA method 360.1; 1 site on a monthly basis		
24	Each	Salinity 0/00, EPA method 120.1; 2 sites on a quarterly basis		
24	Each	pH, EPA method 150.1; 2 sites on a quarterly basis		
24	Each	Temperature (degrees C), EPA method 170.1; 2 sites on a quarterly basis		
24	Each	Total Coliform (mpn/100 ml), EPA method 909A; 2 sites on a quarterly basis		
24	Each	Dissolved Oxygen (mg/l), EPA method 360.1; 2 sites on a quarterly basis		
24	Each	Chlorophyll 'a' (ug/l), EPA method 10200H; 2 sites on a quarterly basis		
24	Each	Oil and Grease (mg/l), EPA method 413.1; 2 sites on a quarterly basis		
24	Each	Nutrients: Nitrate, Orthophosphate & Silica; 2 sites on a bi-monthly basis		
24	Each	Biological Oxygen Demand; 2 sites on a bi-monthly basis		
24	Each	Total Organic Carbon; 2 sites on a bi-monthly basis		
24	Each	Total Kjeldhal Nitrogen; 2 sites on a bi-monthly basis		
24	Each	Ammonia; 2 sites on a bi-monthly basis		
24	Each	Nitrite; 2 sites on a bi-monthly basis		
24	Each	Silver, EPA 272.1; 2 sites on a bi-monthly basis		
24	Each	Antimony, EPA 204.1; 2 sites on a bi-monthly basis		
24	Each	Beryllium, EPA 210.1; 2 sites on a bi-monthly basis		
24	Each	Nickel, EPA 249.1; 2 sites on a bi-monthly basis		
24	Each	Zinc, EPA 289.1; 2 sites on a bi-monthly basis		
24	Each	Cadmium, EPA 213.1; 2 sites on a bi-monthly basis		
24	Each	Chromium, EPA 218.1; 2 sites on a bi-monthly basis		
		Lot 5 Net Total		

		Lot 6: Other Services, as needed		
Qty.	Unit	Description	Unit Price	Ext. Price
260	Jobs	Pick-up Services, 5 times per week by 2:00 PM daily at (2) two City locations – Utility Services Office, Shoreline Lake		
24	Hr	Hourly Rate for Sample Collection Services, to supplant City staff, as needed. 1 certified technician with equipment		
12	Each	Monthly Services to EDT Regulatory Reports to State of California.		
		Lot 6 Net Total		